Docket No.: APPL-P2840

RESPONSE

IN THE CLAIMS:

What is claimed is

1. (Currently amended) In a serial bus module [having]containing a plurality of link devices, a method for presenting the plurality of link devices as separate nodes comprising:

a) creating an individual configuration ROM image for each link device in said plurality within the serial bus module, said each link device providing link layer services to the serial bus module; and

b) presenting via transaction layer software said individual configuration ROM image[s] for each said link device.

2. (Once amended) The method of claim 1 wherein each said configuration ROM image includes an entry for a distinct identifier for a corresponding link device.

3. (Original) The method of claim 2 wherein said presenting said configuration ROM image comprises:

a) receiving from one of said link devices a block request and a link ID; and

b) providing configuration ROM associated with said link ID.

4. (Once amended) The method of claim 1 wherein said creating and presenting said configuration ROM image are carried out by transaction layer software.

5. (Currently amended) A serial bus module device comprising:

a) a plurality of link layer devices stored on a single, physical device, each of the link layer devices providing link layer services;

b) a transaction layer software; and

c) for each of said link layer device, a distinct configuration ROM image presented by said transaction layer software.

6. (Original) The serial bus module device of claim 5, wherein each said link layer device includes an associated global unique identifier, and wherein each said configuration ROM image includes a corresponding entry for said associated global unique identifier.

7. (Currently amended) A communication system comprising:

a) a plurality of serial bus modules; and

b) a serial bus connected to each of said serial bus modules, wherein at least one of said modules compris[ing]es a plurality of link layer devices, each ofsaid link layer devices providing link layer services, transaction layer software, and for each of said link layer device, a distinct configuration ROM image presented by said transaction layer software.

8. (Original) The communication system of claim 7, wherein each said link layer device includes an associated global unique identifier, and wherein each said configuration ROM image includes a corresponding entry for said associated global unique identifier.

9. (Currently amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a

method for presenting a plurality of link devices in a single device as separate nodes said method comprising:

a) creating an individual configuration ROM image for each link device, said each link device providing link layer services to said single device; and

b) presenting via transaction layer software said individual configuration ROM image for each said link device.

10. (Original) The program storage device of claim 9 wherein each said configuration ROM image includes a entry for a distinct identifier for a corresponding link device.

11. (Original) The program storage device of claim 10 wherein said presenting said configuration ROM image comprises:

a) receiving from one of said link devices a block request and a link ID; and

b) providing configuration ROM associated with said link ID.